

WHAT IS CLAIMED IS:

1. An information terminal device for processing an instruction data describing an instruction for processing an application transmitted from a server capable of data communications and stored in said information terminal device,
5 comprising:

a receiving unit for receiving said instruction data transmitted from said server;

an analyzing unit for analyzing at least message data representing a message for display to a user and operation data
10 representing an operation both included in said instruction data ;

an operation control unit for extracting said message data analyzed by said analyzing unit, and generating a display message by replacing at least part of a default message previously set for display to the user with the message represented by said
15 message data; and

a display unit for displaying to the user the display message generated by said operation control unit.

2. The information terminal device according to claim 1, further comprising:

a determining unit for determining said application corresponding to said instruction data; and

5 an application executing unit for carrying out an

operation based on said application determined by said determining unit by following said operation data, wherein

said default message is described in the application determined by said determining unit, and

10 based on the operation of said application executing unit, said display unit displays on a screen the display message generated by said operation control unit.

3. The information terminal device according to claim 2, wherein

the message represented by said message data is displayed on the screen of said display unit when said application is activated by said application executing unit.

4. The information terminal device according to claim 2, wherein

when said operation control unit cannot extract said message data analyzed by said analyzing unit, said operation control unit sets said default message as the display message.

5. The information terminal device according to claim 2, wherein

said operation control unit and said application executing unit are previously incorporated in the application.

6. The information terminal device according to claim 2, wherein

said operation control unit and said application executing unit are implemented by a Java applet operated on a Java VM, and

said Java applet is retrieved from a server on the Internet.

7. The information terminal device according to claim 1, further comprising:

a determining unit for determining said application corresponding to said instruction data;

an execution checking unit for determining whether said application is to be executed based on said message data extracted by said operation control unit; and

an application executing unit for carrying out an operation based on said application when it is determined by said execution checking unit that said application is to be executed, by following said operation data analyzed by said analyzing unit .

8. The information terminal device according to claim 7, wherein

said message data is a character string describing the instruction of said instruction data.

9. The information terminal device according to claim 8, wherein

said display unit displays the display message generated by said operation control unit for prompting the user to answer whether to execute said application, and

when the user enters an answer as to whether to execute said application based on the display message displayed on said display unit, said execution checking unit determines whether said application is to be executed.

10. The information terminal device according to claim 8, wherein

when a character string contained in an anchor of linking hypertext of said instruction data stored in said server matches said message data, said execution checking unit determines that said application is to be executed.

11. The information terminal device according to claim 7, wherein

said instruction data includes digital signature data representing validity of said instruction data, and

said determining unit further verifies said digital signature data included in said instruction data, and determines said application corresponding to said instruction data only when said digital signature data satisfies a predetermined condition.

12. A computer program embodied on a computer-readable medium, said computer program for processing an instruction data describing an instruction for processing an application transmitted from a server capable of data communications and
5 stored in a computer, said computer program comprising:

a receiving step of receiving said instruction data transmitted from said server;

an analyzing step of analyzing at least message data representing a message for display to a user and operation data
10 representing an operation both included in said instruction data;

an operation controlling step of extracting said message data analyzed in said analyzing step and generating a display message by replacing at least part of a default message previously set for display to the user with the message
15 represented by said message data; and

a displaying step of displaying to the user the display message generated in said operation control step.

13. The computer program according to claim 12, further comprising:

a determining step of determining said application corresponding to said instruction data; and

5 an application executing step of carrying out an operation based on said application determined in said determining step by following said operation data, wherein

said default message is described in the application determined in said determining step, and

10 in said displaying step, the display message generated in said operation control step is displayed based on the operation in said application executing step.

14. The computer program according to claim 13, wherein

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5 the message represented by said message data is displayed on the screen in said displaying step when said application is activated in said application executing step.

15. The computer program according to claim 13, wherein

when said message data analyzed in said analyzing step cannot be extracted in said operation controlling step, said
5 default message is set as the display message.

16. The computer program according to claim 13, wherein

said operation controlling step and said application executing step are previously incorporated in the application.

17. The computer program according to claim 13, wherein

said operation controlling step and said application
executing step are implemented by a Java applet operated on a Java

5 VM, and

said Java applet is retrieved from a server on the
Internet.

18. The computer program according to claim 12,
further comprising:

a determining step of determining said application
corresponding to said instruction data;

5 an execution checking step of determining whether said
application is to be executed based on said message data extracted
in said operation controlling step; and

an application executing step of for carrying out an
operation based on said application when it is determined in said
10 execution checking step that said application is to be executed,
by following said operation data analyzed by said analyzing unit .

19. The computer program according to claim 18,
wherein

said message data is a character string describing the
instruction of said instruction data.

20. The computer program according to claim 19,
wherein

in said display step, the display message generated in
said operation control step is displayed for prompting the user
5 to answer whether to execute said application, and

when the user enters an answer as to whether to execute
said application based on the display message displayed in said
display step, whether said application is to be executed is
determined in said execution checking step.

21. The computer program according to claim 19,
wherein

when a character string contained in an anchor of
linking hypertext of said instruction data stored in said server
5 matches said message data, it is determined in said execution
checking step that said application is to be executed.

22. The computer program according to claim 18,
wherein

said instruction data includes digital signature data
representing validity of said instruction data, and

5 in said determining step, said digital signature data
included in said instruction data is further verified, and said
application corresponding to said instruction data is determined
only when said digital signature data satisfies a predetermined
condition.